



final seq listing.TXT
SEQUENCE LISTING

<110> Greuber et al.
<120> CHIMERIC PLANT PROMOTERS AND PLANTS CONTAINING THE SAME
<130> 18433/2022
<140> 09/870,375
<141> 2001-05-30
<150> PCT/IB00/01383
<151> 2000-09-28
<160> 38
<170> PatentIn Ver. 2.1
<210> 1
<211> 417
<212> DNA
<213> Triticum aestivum
<220>
<221> misc_feature
<222> (22)..(29)
<223> Prolamine- like box
<220>
<221> misc_feature
<222> (70)..(73)
<223> GATA box
<220>
<221> misc_feature
<222> (87)..(90)
<223> GATA box
<220>
<221> misc_feature
<222> (127)..(133)
<223> Prolamine-like box
<220>
<221> misc_feature
<222> (161)..(168)
<223> G-like box
<220>
<221> enhancer
<222> (193)..(230)
<223> Enhancer box
<220>
<221> TATA_signal
<222> (349)..(355)
<223> TATA box
<220>
<221> misc_feature
<222> (379)
<223> Transcription initiation site

final seq listing.TXT

```

<400> 1
agctttgagt ggccgtagat ttgcaaaagc aatgggctaac agacacatat tctgccaaac 60
cccaagaagg ataatcactt ttcttagata aaaaagaaca gaccaatata caaacatcca 120
cacttctgca aacaatacat cagaactagg attacgccga ttacgtggct ttagcagact 180
gtccaaaaat ctgttttgca aagctccaat tgctccttg cttatccagct tcttttgtgt 240
tggcaaaactg cgcttttcca accgattttg ttcttctcgc gctttcttct taggctaaac 300
aaacctcacc gtgcacgcag ccatgggtcct gaaccttcac ctcgtcccta taaaagccta 360
gccaaccttc acaatcttat catcaccac aacaccgagc accacaaact agagatc 417

```

```

<210> 2
<211> 181
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence:MPr1126
promoter

```

```

<220>
<221> TATA_signal
<222> (113)..(119)
<223> TATA box

```

```

<220>
<221> misc_feature
<222> (143)
<223> Transcription Initiation site

```

```

<400> 2
gtgttggcaa actgcgcttt tccaaccgat tttgttcttc tcgcgctttc ttcttaggct 60
aaacaaacct caccgtgcac gcagccatgg tcctgaacct tcacctcgtc cctataaaag 120
cctagccaac cttcacaatc ttatcatcac ccacaacacc gagcaccaca aactagagat 180
c 181

```

```

<210> 3
<211> 244
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence:MPr1127
promoter

```

```

<220>
<221> enhancer
<222> (20)..(57)
<223> Enhancer box

```

```

<220>
<221> TATA_signal
<222> (176)..(182)
<223> TATA box

```

```

<220>
<221> misc_feature
<222> (206)
<223> Transcription Initiation site

```

```

<400> 3
gcgactgtc caaaaatctg ttttgcaaag ctccaattgc tccttgctta tccagcttct 60
tttgtgttgg caaactgcgc ttttccaacc gatattgttc ttctcgcgct ttcttcttag 120

```

final seq listing.TXT

```
gctaaacaaa cctcaccgtg cacgcagcca tggctctgaa ccttcacctc gtccctataa 180
aagcctagcc aaccttcaca atcttatcat caccacaac accgagcacc acaaactaga 240
gatc 244
```

```
<210> 4
<211> 277
<212> DNA
<213> Artificial Sequence
```

```
<220>
<223> Description of Artificial Sequence:MPr1128
promoter
```

```
<220>
<221> misc_feature
<222> (21)..(28)
<223> G-like box
```

```
<220>
<221> enhancer
<222> (53)..(90)
<223> Enhancer box
```

```
<220>
<221> TATA_signal
<222> (209)..(215)
<223> TATA box
```

```
<220>
<221> misc_feature
<222> (239)
<223> Transcription Initiation Site
```

```
<400> 4
cagaactagg attacgccga ttacgtggct ttagcagact gtccaaaaat ctgttttgca 60
aagctccaat tgctccttgc ttatccagct tcttttgtgt tggcaaaactg cgcttttcca 120
accgattttg ttcttctcgc gctttcttct taggctaaac aaacctcacc gtgcacgcag 180
ccatgggtcct gaaccttcac ctggtcccta taaaagccta gccaaccttc acaatcttat 240
catcacccac aacaccgagc accacaaact agagatc 277
```

```
<210> 5
<211> 472
<212> DNA
<213> Artificial Sequence
```

```
<220>
<223> Description of Artificial Sequence:MPr1130
promoter
```

```
<220>
<221> misc_feature
<222> (22)..(29)
<223> Prolamine-like box
```

```
<220>
<221> misc_feature
<222> (70)..(73)
<223> GATA box
```

```
<220>
<221> misc_feature
```

final seq listing.TXT

<222> (87)..(90)

<223> GATA box

<220>

<221> misc_feature

<222> (127)..(133)

<223> Prolamine-like box

<220>

<221> misc_feature

<222> (161)..(168)

<223> G-like box

<220>

<221> enhancer

<222> (193)..(230)

<223> Enhancer box

<220>

<221> misc_feature

<222> (314)..(368)

<223> As2/As2/As1 box

<220>

<221> TATA_signal

<222> (404)..(410)

<223> TATA box

<220>

<221> misc_feature

<222> (434)

<223> Transcription Initiation Site

<400> 5

```
agctttgagt ggccgtagat ttgcaaaagc aatggctaac agacacatat tctgccaaac 60
cccaagaagg ataatcactt ttcttagata aaaaagaaca gaccaatata caaacatcca 120
cactttctgca aacaatacat cagaactagg attacgccga ttacgtggct ttagcagact 180
gtccaaaaat ctgttttgca aagctccaat tgctccttgc ttatccagct tcttttgtgt 240
tggcaaaactg cgctttttcca accgattttg ttcttctcgc gctttcttct taggctaaac 300
aaacctcacc gtgattgatg tgatatcaag attgatgtga tatctccact gacgtaaggg 360
atgacgcaca cgcagccatg gtcctgaacc ttcacctcgt ccctataaaa gcctagccaa 420
ccttcacaat cttatcatca cccacaacac cgagcaccac aaactagaga tc 472
```

<210> 6

<211> 455

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:MPR1131 promoter

<220>

<221> misc_feature

<222> (22)..(29)

<223> Prolamine-like box

<220>

<221> misc_feature

<222> (70)..(73)

<223> GATA box

final seq listing.TXT

<220>
<221> misc_feature
<222> (87)..(90)
<223> GATA box

<220>
<221> misc_feature
<222> (127)..(133)
<223> Prolamine-like box

<220>
<221> misc_feature
<222> (161)..(168)
<223> G-like box

```
<400> 6
agctttgagt ggccgtagat ttgcaaaagc aatggctaac agacacatat tctgccaaac 60
cccaagaagg ataatcactt ttcttagata aaaaagaaca gaccaatata caaacatcca 120
cacttctgca aacaatacat cagaactagg attacgccga ttacgtggct ttagcagact 180
gtccaaaaat ctgttttgca aagctccaat tgctccttgc ttatccagct tcttttggtg 240
tggcaaaactg cgcttttcca accgattttg ttcttctcgc gctttcttct taggctaaac 300
aaacctcacc gtgattgatg tgatatctcc actgacgtaa gggatgacgc acacgcagcc 360
atggtcctga accttcacct cgtccctata aaagcctagc caaccttcac aatcttatca 420
tcaccacaa caccgagcac cacaaactag agatc 455
```

<210> 7
<211> 236
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:MPr1133
promoter

<220>
<221> misc_feature
<222> (78)..(132)
<223> As2/As2/As1 box

<220>
<221> misc_feature
<222> (198)
<223> Transcription Initiation Site

```
<400> 7
gtgttggaac actgcgcttt tccaaccgat tttgttcttc tcgcgctttc ttcttaggct 60
aaacaaacct caccgtgatt gatgtgatat caagattgat gtgatatctc cactgacgta 120
agggatgacg cacacgcagc catggtcctg aaccttcacc tcgtccctat aaaagcctag 180
ccaaccttca caatcttatc atcacccaca acaccgagca ccacaaacta gagatc 236
```

<210> 8
<211> 299
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:MPr1134

<220>
<221> enhancer
<222> (20)..(57)

final seq listing.TXT

<223> Enhancer box

<220>

<221> misc_feature

<222> (141)..(195)

<223> As2/As2/As1 box

<220>

<221> misc_feature

<222> (261)

<223> Transcription Initiation Site

<400> 8

```
gcagactgtc caaaaatctg ttttgcaaag ctccaattgc tccttgctta tccagcttct 60
tttgtgttgg caaactgcgc ttttccaacc gattttgttc ttctcgcgct ttcttcttag 120
gctaaacaaa cctcaccgtg attgatgtga tatcaagatt gatgtgatat ctccactgac 180
gtaagggtatg acgcacacgc agccatgggc ctgaaccttc acctcgtccc tataaaagcc 240
tagccaacct tcacaatcct atcatcacc acaacaccga gcaccacaaa ctagagatc 299
```

<210> 9

<211> 332

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:MPR1135 promoter

<220>

<221> misc_feature

<222> (21)..(28)

<223> G-like box

<220>

<221> enhancer

<222> (53)..(90)

<223> Enhancer box

<220>

<221> misc_feature

<222> (174)..(228)

<223> As2/As2/As1 box

<220>

<221> TATA_signal

<222> (264)..(270)

<223> TATA box

<220>

<221> misc_feature

<222> (294)

<223> Transcription Initiation Site

<400> 9

```
cagaactagg attacgccga ttacgtggct ttagcagact gtccaaaaat ctgttttgca 60
aagctccaat tgctccttgc ttatccagct tcttttgtgt tggcaaaact cgctttttcca 120
accgattttg ttcttctcgc gctttcttct taggctaaac aaacctcacc gtgattgatg 180
tgatatcaag attgatgtga tatctccact gacgtaaggg atgacgcaca cgcagccatg 240
gtcctgaacc ttcacctcgt ccctataaaa gcctagccaa ccttcacaat cttatcatca 300
cccacaacac cgagcaccac aaactagaga tc 332
```

<210> 10

<211> 219

final seq listing.TXT

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:MPr1136
promoter

<220>

<221> misc_feature

<222> (78)..(115)

<223> As2/As1 box

<220>

<221> TATA_signal

<222> (151)..(157)

<223> TATA box

<220>

<221> misc_feature

<222> (181)

<223> Transcription Initiation Site

<400> 10

gtgttgga	actgcgcttt	tccaaccgat	tttgttcttc	tcgcgctttc	ttcttaggct	60
aaacaaacct	caccgtgatt	gatgtgatat	ctccactgac	gtaagggatg	acgcacacgc	120
agccatggtc	ctgaaccttc	acctcgctcc	tataaaagcc	tagccaacct	tcacaatctt	180
atcatcacc	acaacaccga	gcaccacaaa	ctagagatc			219

<210> 11

<211> 282

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:MPr1137
promoter

<220>

<221> enhancer

<222> (20)..(57)

<223> Enhancer box

<220>

<221> misc_feature

<222> (141)..(178)

<223> As2/As1 box

<220>

<221> TATA_signal

<222> (214)..(220)

<223> TATA box

<220>

<221> misc_feature

<222> (244)

<223> Transcription Initiation Site

<400> 11

gcagactgtc	caaaaatctg	ttttgcaaag	ctccaattgc	tccttgctta	tccagcttct	60
tttgtgttgg	caaactgcgc	ttttccaacc	gattttgttc	ttctcgcgct	ttcttcttag	120
gctaaacaaa	cctcaccgtg	attgatgtga	tatctccact	gacgtaaggg	atgacgcaca	180
cgcagccatg	gtcctgaacc	ttcacctcgt	ccctataaaa	gcctagccaa	ccitcacaat	240
cttatcatca	cccacaacac	cgagcaccac	aaactagaga	tc		282

final seq listing.TXT

<210> 12
 <211> 315
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:MPR1138
 promoter

<220>
 <221> misc_feature
 <222> (21)..(28)
 <223> G-like box

<220>
 <221> enhancer
 <222> (53)..(90)
 <223> Enhancer box

<220>
 <221> misc_feature
 <222> (174)..(211)
 <223> As2/As1 box

<220>
 <221> TATA_signal
 <222> (247)..(253)
 <223> TATA box

<220>
 <221> misc_feature
 <222> (277)
 <223> Transcription Initiation Site

<400> 12
 cagaactagg attacgccga ttacgtggct ttagcagact gtccaaaaat ctgttttgca 60
 aagctccaat tgctccttgc ttatccagct tcttttgtgt tggcaaactg cgctttttcca 120
 accgattttg ttcttctcgc gctttcttct taggctaaac aaacctcacc gtgattgatg 180
 tgatatctcc actgacgtaa gggatgacgc acacgcagcc atgggcctga accttcacct 240
 cgtccctata aaagcctagc caaccttcac aatcittatca tcaccacaaa caccgagcac 300
 cacaactag agatc 315

<210> 13
 <211> 505
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:MPR1139
 promoter

<220>
 <221> misc_feature
 <222> (4)..(26)
 <223> Cereal box

<220>
 <221> misc_feature
 <222> (39)..(61)
 <223> Cereal box

<220>

final seq listing.TXT

<221> misc_feature
<222> (120)..(123)
<223> GATA box

<220>
<221> misc_feature
<222> (137)..(140)
<223> GATA box

<220>
<221> misc_feature
<222> (72)..(79)
<223> Prolamine-like box

<220>
<221> misc_feature
<222> (177)..(183)
<223> Prolamine like box

<220>
<221> misc_feature
<222> (211)..(218)
<223> G-like box

<220>
<221> enhancer
<222> (243)..(280)
<223> Enhancer box

<220>
<221> misc_feature
<222> (364)..(401)
<223> As2/As1 box

<220>
<221> TATA_signal
<222> (437)..(443)
<223> TATA box

<220>
<221> misc_feature
<222> (467)
<223> Transcription Initiation Site

<400> 13
ctcgacatgg ttagaagttt tgagtgccgc cactactcga catgggttaga agttttgagt 60
ggccgtagat ttgcaaaagc aatggctaac agacacatat tctgccaac cccaagaagg 120
ataatcactt ttcttagata aaaaagaaca gaccaatata caaacatcca cacttctgca 180
aacaatacat cagaactagg attacgccga ttacgtggct ttagcagact gtccaaaaat 240
ctgttttgca aagctccaat tgctccttgc ttatccagct tcttttggtg tggcaaaactg 300
cgcttttcca accgattttg ttcttctcgc gcttttcttct taggctaaac aaacctcacc 360
gtgattgatg tgatatctcc actgacgtaa gggatgacgc acacgcagcc atgggtcctga 420
accttcacct cgtccctata aaagcctagc caaccttcac aatcttatca tcaccacaa 480
caccgagcac cacaactag agatc 505

<210> 14
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide

final seq listing.TXT

<400> 14
atcggaattc gtgttgga actgc 25

<210> 15
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide

<400> 15
atcggaatt cgagactgt ccaaaaatc 29

<210> 16
<211> 96
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:MPr1197
promoter

<220>
<221> TATA_signal
<222> (28)..(34)
<223> TATA box

<220>
<221> misc_feature
<222> (58)
<223> Transcription Initiation Site

<400> 16
catggctcctg aaccttcacc tcgtccctat aaaagcctag ccaaccttca caatcttattc 60
atcacccaca acaccgagca ccacaaacta gagatc

<210> 17
<211> 187
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:MPr1198
promoter

<220>
<221> misc_feature
<222> (8)..(15)
<223> G-like box

<220>
<221> enhancer
<222> (40)..(77)
<223> Enhancer box

<220>
<221> TATA_signal

final seq listing.TXT

<222> (119)..(125)
<223> TATA box

<220>
<221> misc_feature
<222> (149)
<223> Transcription Initiation Site

<400> 17
acgccgatta cgtggcttta gcagactgtc caaaaatctg ttttgcaaag ctccaattgc 60
tccttgctta tccagcttct tttgtgttgg ccatggctct gaaccttcac ctcgtcccta 120
taaaagccta gccaaccttc acaatcttat catcacccac aacaccgagc accacaaact 180
agagatc 187

<210> 18
<211> 290
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:MPr1199
promoter

<220>
<221> misc_feature
<222> (6)..(25)
<223> GC rich box

<220>
<221> misc_feature
<222> (34)..(41)
<223> G-like box

<220>
<221> enhancer
<222> (66)..(103)
<223> Enhancer box

<220>
<221> TATA_signal
<222> (222)..(228)
<223> TATA box

<220>
<221> misc_feature
<222> (252)
<223> Transcription Initiation Site

<400> 18
caaatgggcc ggaccgggcc ggcccagcgc cgattacgtg gcttttagcag actgtccaaa 60
aatctgtttt gcaaagctcc aattgctcct tgcttatcca gcttcttttg tgttggcaaa 120
ctgcgctttt ccaaccgatt ttgttcttct cgcgctttct tcttaggcta aacaaacctc 180
accgtgcacg cagccatggt cctgaacctt cacctcgtcc ctataaaagc ctagccaacc 240
ttcacaatct tatcatcacc cacaacaccg agcaccacaa actagagatc 290

<210> 19
<211> 381
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:MPr1200

final seq listing.TXT

<220>
 <221> misc_feature
 <222> (4)..(26)
 <223> Cereal box

<220>
 <221> misc_feature
 <222> (39)..(61)
 <223> Cereal box

<220>
 <221> misc_feature
 <222> (87)..(94)
 <223> G-like box

<220>
 <221> enhancer
 <222> (119)..(156)
 <223> Enhancer box

<220>
 <221> misc_feature
 <222> (240)..(277)
 <223> As2/As1 box

<220>
 <221> TATA_signal
 <222> (313)..(319)
 <223> TATA box

<220>
 <221> misc_feature
 <222> (343)
 <223> Transcription Initiation Site

<400> 19
 ctcgacatgg ttagaagttt tgagtgccgc cactactcga catgggttaga agttttgagt 60
 ggccgtagat ttgctctaga cgccgattac gtggcttttag cagactgtcc aaaaatctgt 120
 tttgcaaagc tccaattgct ccttgcttat ccagcttctt ttgtgttggc aaactgctgt 180
 tttccaaccg attttgttct tctcgcgctt tcttcttagg ctaaacaacac ctcaccgtga 240
 ttgatgtgat atctccactg acgtaaggga tgacgcacac gcagccatgg tcctgaacct 300
 tcacctcgtc cctataaaag cctagccaac cttcacaatc ttatcatcac ccacaacacc 360
 gagcaccaca aactagagat c 381

<210> 20
 <211> 343
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:MPR1213
 Promoter

<220>
 <221> misc_feature
 <222> (4)..(26)
 <223> Cereal box

<220>
 <221> misc_feature
 <222> (39)..(61)
 <223> Cereal box

final seq listing.TXT

<220>
<221> enhancer
<222> (119)..(156)
<223> Enhancer box

<220>
<221> misc_feature
<222> (87)..(94)
<223> G-like box

<220>
<221> TATA_signal
<222> (275)..(281)
<223> TATA box

<220>
<221> misc_feature
<222> (305)
<223> Transcription Initiation Site

<400> 20
ctcgacatgg ttagaagttt tgagtgccgc cactactcga catgggttaga agttttgagt 60
ggccgtagat ttgctctaga cgccgattac gtggcttttag cagactgtcc aaaaatctgt 120
tttgcaaagc tccaattgct ccttgcttat ccagcttctt ttgtgttggc aaactgctgc 180
tttccaaccg attttgttct tctcgcgctt tcttcttagg ctaaacaaac ctcaccgtgc 240
acgcagccat ggtcctgaac cttcacctcg tccctataaa agcctagcca accttcacaa 300
tcctatcatc acccacaaca ccgagcacca caaactagag atc 343

<210> 21
<211> 358
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:MPr1216
promoter

<220>
<221> misc_feature
<222> (7)..(14)
<223> G-like box

<220>
<221> enhancer
<222> (39)..(76)
<223> Enhancer box

<220>
<221> misc_feature
<222> (102)..(109)
<223> G-like box

<220>
<221> enhancer
<222> (134)..(171)
<223> Enhancer box

<220>
<221> TATA_signal
<222> (290)..(296)
<223> TATA box

<220>

final seq listing.TXT

<221> misc_feature

<222> (320)

<223> Transcription Initiation Site

<400> 21

```
cgccgattac gtggcttttag cagactgtcc aaaaatctgt tttgcaaagc tccaattgct 60
ccttgcttat ccagcttctt ttgtgttggg ctagacgccg attacgtggc tttagcagac 120
tgtccaaaaa tctgttttgc aaagctccaa ttgctccttg cttatccagc ttcttttgtg 180
ttggcaaact gcgcttttcc aaccgatttt gttcttctcg cgctttcttc ttaggctaaa 240
caaacctcac cgtgcacgca gccatgggtcc tgaaccttca cctcgtccct ataaaagcct 300
agccaacctt cacaatctta tcatcaccca caacaccgag caccacaaac tagagatc 358
```

<400> 22

<211> 453

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:MPr1217 promoter

<220>

<221> misc_feature

<222> (8)..(15)

<223> G-like box

<220>

<221> enhancer

<222> (40)..(77)

<223> Enhancer box

<220>

<221> misc_feature

<222> (102)..(109)

<223> G-like box

<220>

<221> enhancer

<222> (134)..(171)

<223> Enhancer box

<220>

<221> misc_feature

<222> (197)..(204)

<223> G-like box

<220>

<221> enhancer

<222> (229)..(266)

<223> Enhancer box

<220>

<221> TATA_signal

<222> (385)..(391)

<223> TATA box

<220>

<221> misc_feature

<222> (415)

<223> Transcription Initiation Site

<400> 22

```
acgccgatta cgtggcttta gcagactgtc caaaaatctg ttttgcaaag ctccaattgc 60
```

final seq listing.TXT

```

tccttgctta tccagcttct tttgtgttgg tctagacgcg attacgtggc ttttagcagac 120
tgtccaaaaa tctgttttgc aaagctccaa ttgtccttg cttatccagc ttcttttgtg 180
ttggcttaga cgccgattac gtggcttttag cagactgtcc aaaaatctgt tttgcaaagc 240
tccaattgct ccttgcttat ccagcttctt ttgtgttggc aaactgcgct tttccaaccg 300
attttgttct tctcgcgctt tcttcttagg ctaaacaaac ctcaccgtgc acgcagccat 360
ggtcctgaac cttcacctcg tccctataaa agcctagcca accttcacaa tcttatcatc 420
acccacaaca ccgagcacca caaactagag atc 453

```

<210> 23

<211> 83

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Oligodesoxynucleotide

<400> 23

```

tacgaattcc tcgacatggg tagaagtttt gagtgccgcc actactcgac atgggtagaa 60
gttttgagtg gccgtagatt tgc 83

```

<210> 24

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Oligodesoxynucleotide

<400> 24

```

atcggaattc gccgattacg tggctttagc 30

```

<210> 25

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Oligodesoxynucleotide

<400> 25

```

atcggaattc gcagccatgg tcctgaacc 29

```

<210> 26

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Oligodesoxynucleotide

<400> 26

```

tacgaattcc tcgacatgg 19

```

<210> 27

<211> 63

final seq listing.TXT

```

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
      Sequence:Oligodesoxynucleotide

<400> 27
attgatgtga tatctccact gacgtaaggg atgacgcaca cgcagccatg gtcctgaacc 60
ttc                                                                63

<210> 28
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
      Sequence:Oligodesoxynucleotide

<400> 28
attgatgtga tatcaagatt gatgtgatat ctccactgac gtaagggatg acgcacacgc 60
agccatgggc ctgaaccttc                                                                80

<210> 29
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
      Sequence:Oligodesoxynucleotide

<400> 29
tacggatccc cggggatctc tagtttgtgg tgc                                                                33

<210> 30
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
      Sequence:Oligodesoxynucleotide

<400> 30
gctctagagc aaatctacgg ccactc                                                                26

<210> 31
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
      Sequence:Oligodesoxynucleotide

<400> 31
gctctagacc aacacaaaag aagctgg                                                                27

```


final seq listing.TXT

<210> 32
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:Oligodesoxynucleotide

<400> 32
 catgccatgg ccaacacaaa agaagctgg 29

<210> 33
 <211> 63
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:Oligodesoxynucleotide

<400> 33
 tgcgtcatcc cttacgtcag tggagatatc acatcaatca cggtgaggtt tgttttagcct 60
 aag 63

<210> 34
 <211> 80
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:Oligodesoxynucleotide

<400> 34
 tgcgtcatcc cttacgtcag tggagatatc acatcaatct tgatatacaca tcaatcacgg 60
 tgaggtttgt ttagcctaag 80

<210> 35
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:Oligodesoxynucleotide

<400> 35
 atcgggaattc cagaactagg attacgccg 29

<210> 36
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:Oligodesoxynucleotide

final seq listing.TXT

<400> 36
tacgaattcc cagctttgag tggccgtag 29

<210> 37
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide

<400> 37
atcggaattc tagacgccga ttacgtggct ttagc 35

<210> 38
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide

<400> 38
ATCGGAATTC AAATGGGCCG GACCGGGCCG GCCCAGCGCC GATTACGTGG CTTTAGC 57
